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Claims

1. Method for pre-emphasizing an optical multiplex signal (OS) which features a number of signals with different wavelengths which are transmitted from a transmitter to a receiver, in which powers of the signals are set at the transmitter ($P_{IN}(\lambda)$) and also measured at the receiver ($P_{OUT}(\lambda)$),

characterized in that

an average power ($<P_{IN}>$) is determined for the send-side signals,

from the current powers of the signals at the transmitter $(P_{IN}(\lambda))$ and at the receiver $P_{OUT}(\lambda)$ and the average power $(<P_{IN}>)$ new signal values $(P_{IN}(\lambda)_n)$ new are determined and set on the send side, such that at the receiver signal-to-noise ratios of all signals are almost equalized.